

Claims

1. A method for providing a user interface of a mobile station that connects to a communication system, **characterized** in that
 - 5 - conversion is made between acoustic and electric speech signals in the mobile station,
 - speech signals are transferred between the mobile station and the communication system, and
 - information is converted between speech and a second form of information,
 - 10 wherein the conversion between speech and the second form of information is made at least in part in the communication system.
2. A method according to claim 1, **characterized** in that substantially all user interface functions of the mobile station are made using said user interface.
- 15 3. A method according to claim 1, **characterized** in that the second form of information is text or graphics.
4. A method according to claim 1, **characterized** in that automatic speech recognition is used.
- 20 5. A method according to claim 1, **characterized** in that distributed speech recognition is used.
- 25 6. A method according to claim 1, **characterized** in that Voice over Internet Protocols are used in the user interface communication between the mobile station and the communication system.
7. A method according to claim 1, **characterized** in that user interface communication between the mobile station and the communication system is substantially continuously available for providing the user interface, when the mobile station is able to communicate with a base station of the communication system.
- 30 8. A method according to claim 1, **characterized** in that said information in the second form is transferred within the communication system.
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- means for converting speech signals between acoustic and electric forms,
- means for transferring speech signals or derivative signals thereof between the mobile station and the communication system,
- means for converting between speech and a second form of information, and

wherein

10. A user interface according to claim 9, **characterized** in that said user interface provides for substantially all user interface functions of the mobile station.

12. A user interface according to claim 9, **characterized** in that it comprises means for automatic speech recognition.

14. A user interface according to claim 9, **characterized** in that it comprises means for using Voice over Internet Protocols in the user interface communication between the mobile station and the communication system.

15. A user interface according to claim 9, **characterized** in that it comprises means for providing the user interface communication between the mobile station and the communication system to be substantially continuously available for providing the user interface, when the mobile station is able to communicate with a base station of the communication system.

16. A user interface according to claim 9, **characterized** in that it comprises means for transmitting/receiving said information in the second form to/from other parts of the communication system.

17. A network element for providing an interface between a mobile station and a communication system, **characterized** in that for providing a user interface of the mobile station it comprises

- 5 - means for transmitting/receiving speech signals or derivative signals thereof to/from the mobile station, and
- means for converting between speech or derivative thereof and a second form of information.

10 18. A network element according to claim 17, **characterized** in that it comprises means for transmitting/receiving said information in the second form to/from other parts of the communication system.

15 19. A network element according to claim 17, **characterized** in that it comprises means for using Voice over Internet Protocols in the user interface communication to/from the mobile station.

20 20. A network element according to claim 17, **characterized** in that it comprises a user database and/or an application database.

25 21. A network element according to claim 17, **characterized** in that it comprises a voice browser.

30 22. A mobile station, which connects to a communication system, **characterized** in that for providing a user interface of the mobile station it comprises

- means for converting speech signals between acoustic and electric forms, and
- means for transmitting/receiving speech signals or derivative signals thereof to/from the communication system for processing in the signals in the communications system in order to provide a user interface for the mobile station.

35 23. A mobile station according to claim 22, **characterized** in that it comprises means for transmitting/receiving speech signals or derivative signals thereof to/from the communication system using Voice over Internet Protocols for providing the user interface of the mobile station.

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